

Waste Disposal Interpretations

Sanitary Facilities

The nature of the soil is important in selecting sites for sanitary facilities, and in identifying limiting soil properties and site features to be considered in planning, design, and installation. Soil limitations ratings of slight, moderate, or severe are given for septic tank absorption fields, sewage lagoons, and trench and area type sanitary landfills. Soil suitability ratings of good, fair, and poor are given for daily cover for landfills. Limitations or suitability terms used in this subsection are as follows:

SLIGHT (or Good) - relatively free of limitations or limitations are easily overcome.

MODERATE (or Fair) - limitations need to be recognized, but usually can be overcome with good management or special design.

SEVERE (or Poor or Very Poor) - limitations are difficult or impractical to overcome.

Sanitary Facility Type

SEPTIC TANK ABSORPTION FIELDS are subsurface systems of tile or perforated pipe that distribute effluent from a septic tank into the natural soil. The centerline depth of the tile is assumed to be at a depth of 24 inches. Only the soil between depths of 24 and 60 inches is considered in making the ratings. The soil properties and site features considered are those that affect the absorption of the effluent, those that affect the construction and maintenance of the system, and those that may affect public health.

SEWAGE LAGOONS are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons have a nearly level floor surrounded by cut slopes or embankments of compacted, relatively impervious soil material.

AEROBIC LAGOONS generally are designed so that the depth of sewage is 2 to 5 feet. Relatively impervious soil for the lagoon floor and sides is desirable to minimize seepage and contamination of local ground water.

SANITARY LANDFILL (TRENCH) is a method of disposing of solid waste by placing refuse in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil that is excavated from the trench. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. Properties that influence risk of pollution, ease of excavation, trafficability, and revegetation are major considerations.

SANITARY LANDFILL (AREA) is a method of disposing of solid waste by placing refuse in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil that is imported from a source away from the site. A final cover of soil at least 2 feet thick is placed over the completed landfill. Properties

that influence trafficability, revegetation, and risk of pollution are the main considerations for area type sanitary landfills.

DAILY COVER FOR LANDFILL is the sod material that is applied daily to compacted solid waste in an area type sanitary landfill. The cover material is obtained off-site, transported, and spread on the area. Suitability of a soil for use as cover is based on properties that reflect workability and the ease of digging and of moving and spreading the material over the refuse daily during both wet and dry periods.

Waste Management

The nature of the soil is also important in the application of organic wastes and wastewater to land as fertilizers and irrigation; it is also important when the soil is used as a medium for treatment and disposal of these wastes. Favorable soil properties are required to prevent environmental damage.

The use of organic wastes and wastewater as production resources will result in energy conservation, prevent the waste of these important resources, and prevent problems associated with their disposal. Where disposal is the goal, and a maximum amount is disposed in a minimum area to hold costs to a minimum, risk of environmental damage is the principal constraint. Where the reuse goal is pursued, and a minimum amount is applied to a maximum area to obtain the greatest benefit, environmental damage is unlikely.

This section includes:

- **(a) Sanitary Facilities**
- **(a) Waste Management**

Barry County, Missouri: Detailed Soil Map Legend

Sanitary Facilities

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
11B: Pembroke-----	Slightly limited ~percs slowly (slightly limited)	0.25	Moderately limited ~seepage (moderately limited)	0.50	Limited ~too clayey (limited) ~too acid (slightly limited)	0.76 0.12	Not limited		Moderately limited ~too clayey (moderately limited) ~too acid (slightly limited)	0.54 0.12
15C: Scholten-----	Very limited ~wetness (very limited) ~percs slowly (slightly limited)	1.00 0.25	Very limited ~wetness (very limited) ~slope (limited) ~seepage (moderately limited)	1.00 0.91 0.50	Very limited ~too clayey (very limited) ~wetness (limited)	1.00 0.99	Limited ~wetness (limited)	0.80	Very limited ~small stones >35% (very limited) ~too clayey (very limited) ~hard to pack (limited)	1.00 1.00 0.70
16B: Crelton-----	Very limited ~wetness (very limited) ~percs slowly (limited)	1.00 0.71	Very limited ~wetness (very limited) ~seepage (moderately limited)	1.00 0.50	Limited ~too clayey (limited) ~wetness (limited)	0.90 0.89	Limited ~wetness (limited)	0.69	Limited ~too clayey (limited) ~wetness (moderately limited)	0.79 0.45
18B: Captina-----	Very limited ~wetness (very limited) ~percs slowly (slightly limited)	1.00 0.25	Very limited ~wetness (very limited) ~seepage (moderately limited)	1.00 0.50	Limited ~wetness (limited) ~too acid (moderately limited) ~too clayey (slightly limited)	0.79 0.54 0.11	Limited ~wetness (limited)	0.60	Moderately limited ~too acid (moderately limited) ~wetness (moderately limited)	0.54 0.40

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
19B: Needleye-----	Not Rated Not Rated ~wetness (very limited)	1.00	Very limited ~wetness (very limited) ~seepage (moderately limited)	1.00 0.50	Limited ~too clayey (limited) ~wetness (limited) ~too acid (moderately limited)	0.95 0.89 0.54	Limited ~wetness (limited)	0.69	Limited ~too clayey (limited) ~too acid (moderately limited) ~wetness (moderately limited)	0.89 0.54 0.45
20B: Branson-----	Slightly limited ~percs slowly (slightly limited)	0.25	Moderately limited ~seepage (moderately limited)	0.50	Limited ~too clayey (limited) ~too acid (limited)	0.85 0.76	Not limited		Limited ~too acid (limited) ~too clayey (limited)	0.76 0.70
21B: Claiborne-----	Slightly limited ~percs slowly (slightly limited)	0.25	Moderately limited ~seepage (moderately limited) ~slope (moderately limited)	0.50 0.31	Slightly limited ~too acid (slightly limited) ~too clayey (slightly limited)	0.30 0.15	Not limited		Limited ~small stones (limited) ~too acid (slightly limited) ~too clayey (slightly limited)	0.77 0.30 0.03
22B: Britwater-----	Slightly limited ~percs slowly (slightly limited)	0.25	Moderately limited ~seepage (moderately limited) ~slope (moderately limited)	0.50 0.31	Moderately limited ~too clayey (moderately limited) ~too acid (slightly limited)	0.51 0.12	Not limited		Very limited ~small stones >35% (very limited) ~too clayey (slightly limited) ~too acid (slightly limited)	1.00 0.26 0.12

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
23B:										
Lily-----	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~depth to bedrock (very limited)	1.00
			~seepage (very limited)	1.00	~seepage (limited)	0.79	~seepage (limited)	0.75	~too acid (moderately limited)	0.54
			~slope (moderately limited)	0.31	~too acid (moderately limited)	0.54			~seepage (moderately limited)	0.50
Ramsey-----	Not Rated		Not Rated		Very limited		Not Rated		Not Rated	
	Not Rated		Not Rated		~depth to bedrock (very limited)	1.00	Not Rated		Not Rated	
	Not Rated		~depth to bedrock (very limited)	1.00	~seepage (very limited)	1.00	~depth to bedrock (very limited)	1.00	~seepage (very limited)	1.00
	~depth to bedrock (very limited)	1.00	~slope (moderately limited)	0.31	~too acid (slightly limited)	0.30			~depth to bedrock (very limited)	1.00
24A:										
Parsons-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Limited ~wetness (limited)	0.99
	~percs slowly (very limited)	1.00			~too clayey (limited)	0.75			~hard to pack (limited)	0.70
									~too clayey (moderately limited)	0.53
Barden-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Limited ~wetness (limited)	0.79	Limited ~wetness (limited)	0.60	Moderately limited ~wetness (moderately limited)	0.40
	~percs slowly (limited)	0.93			~too clayey (moderately limited)	0.48			~too clayey (slightly limited)	0.24
Carytown-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~percs slowly (very limited)	1.00			~excess sodium (limited)	0.96			~excess sodium (limited)	0.96
					~too clayey (limited)	0.80			~hard to pack (limited)	0.70

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
26B2: Yelton-----	Not Rated Not Rated ~wetness (very limited)	 1.00	Very limited ~wetness (very limited) ~seepage (moderately limited) ~slope (moderately limited)	 1.00 0.50 0.31	Limited ~wetness (limited) ~too acid (moderately limited) ~too clayey (moderately limited)	 0.89 0.54 0.48	Limited ~wetness (limited)	0.69	Moderately limited ~too acid (moderately limited) ~wetness (moderately limited) ~too clayey (slightly limited)	 0.54 0.45 0.24
27E: Beemont-----	Very limited ~percs slowly (very limited) ~slope (limited) ~depth to bedrock (limited)	1.00 0.84 0.64	Very limited ~slope (very limited) ~depth to bedrock (limited) ~seepage (moderately limited)	1.00 0.64 0.32	Very limited ~depth to bedrock (very limited) ~too clayey (very limited) ~slope (limited)	1.00 1.00 0.84	Limited ~slope (limited) ~depth to bedrock (moderately limited)	0.84 0.48	Very limited ~too clayey (very limited) ~slope (limited) ~hard to pack (limited)	1.00 0.84 0.70
28C: Beemont-----	Very limited ~percs slowly (very limited) ~depth to bedrock (limited) ~wetness (slightly limited)	1.00 0.79 0.29	Very limited ~slope (very limited) ~depth to bedrock (limited) ~seepage (moderately limited)	1.00 0.79 0.32	Very limited ~depth to bedrock (very limited) ~too clayey (very limited) ~too acid (slightly limited)	1.00 1.00 0.30	Limited ~depth to bedrock (limited)	0.60	Very limited ~too clayey (very limited) ~hard to pack (limited) ~depth to bedrock (limited)	1.00 0.70 0.60
29C: Portia-----	Slightly limited ~percs slowly (slightly limited)	0.25	Limited ~slope (limited) ~seepage (moderately limited)	0.91 0.50	Slightly limited ~too acid (slightly limited) ~too clayey (slightly limited)	0.12 0.11	Not limited		Slightly limited ~too acid (slightly limited)	0.12

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
30C:										
Keeno-----	Not Rated		Very limited		Limited		Limited		Very limited	
	Not Rated		~wetness	1.00	~wetness	0.99	~wetness	0.80	~small stones >35%	1.00
			(very limited)		(limited)		(limited)		(very limited)	
	~wetness	1.00	~seepage	1.00	~too clayey	0.95	~seepage	0.75	~too clayey	0.89
	(very limited)		(very limited)		(limited)		(limited)		(limited)	
			~slope	0.91	~seepage	0.79			~too acid	0.54
			(limited)		(limited)				(moderately limited)	
31C:										
Waben-----	Not limited		Very limited		Limited		Limited		Very limited	
			~seepage	1.00	~seepage	0.79	~seepage	0.75	~small stones >35%	1.00
			(very limited)		(limited)		(limited)		(very limited)	
			~slope	0.91	~too clayey	0.04			~seepage	0.50
			(limited)		(slightly limited)				(moderately limited)	
35D:										
Hailey-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~poor filter	1.00	~seepage	1.00	~seepage	1.00	~seepage	1.00	~seepage	1.00
	(very limited)		(very limited)		(very limited)		(very limited)		(very limited)	
	~slope	0.16	~slope	1.00	~slope	0.16	~slope	0.16	~small stones >35%	1.00
	(slightly limited)		(very limited)		(slightly limited)		(slightly limited)		(very limited)	
	~large stones	0.02	~large stones	0.02	~too acid	0.12			~slope	0.16
	(slightly limited)		(slightly limited)		(slightly limited)				(slightly limited)	
Nixa-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~wetness	1.00	~wetness	1.00	~wetness	1.00	~wetness	0.90	~small stones >35%	1.00
	(very limited)		(very limited)		(very limited)		(limited)		(very limited)	
	~percs slowly	0.25	~slope	1.00	~too acid	0.30			~wetness	0.55
	(slightly limited)		(very limited)		(slightly limited)				(moderately limited)	
			~seepage	0.50					~too acid	0.30
			(moderately limited)						(slightly limited)	

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
36D:										
Nixa-----	Not Rated		Very limited		Very limited		Limited		Very limited	
	Not Rated		~wetness	1.00	~wetness	1.00	~wetness	0.90	~small stones >35%	1.00
			(very limited)		(very limited)		(limited)		(very limited)	
	~wetness	1.00	~slope	1.00	~too clayey	0.70			~wetness	0.55
	(very limited)		(very limited)		(limited)				(moderately limited)	
			~seepage	0.50	~too acid	0.30			~too clayey	0.45
			(moderately limited)		(slightly limited)				(moderately limited)	
Clarksville----	Limited		Very limited		Limited		Limited		Very limited	
	~slope	0.63	~seepage	1.00	~too clayey	0.80	~seepage	0.75	~small stones >35%	1.00
	(limited)		(very limited)		(limited)		(limited)		(very limited)	
	~percs slowly	0.25	~slope	1.00	~slope	0.63	~slope	0.63	~slope	0.63
	(slightly limited)		(very limited)		(limited)		(limited)		(limited)	
					~too acid	0.54			~too clayey	0.60
					(moderately limited)				(moderately limited)	
40D:										
Noark-----	Slightly limited		Very limited		Limited		Slightly limited		Very limited	
	~percs slowly	0.25	~slope	1.00	~too clayey	1.00	~slope	0.16	~small stones >35%	1.00
	(slightly limited)		(very limited)		(limited)		(slightly limited)		(very limited)	
	~slope	0.16	~seepage	0.50	~too acid	0.54			~too clayey	0.99
	(slightly limited)		(moderately limited)		(moderately limited)				(limited)	
					~slope	0.16			~too acid	0.54
					(slightly limited)				(moderately limited)	
Clarksville----	Slightly limited		Very limited		Limited		Limited		Very limited	
	~percs slowly	0.25	~seepage	1.00	~too clayey	0.95	~seepage	0.75	~small stones >35%	1.00
	(slightly limited)		(very limited)		(limited)		(limited)		(very limited)	
	~slope	0.16	~slope	1.00	~too acid	0.54	~slope	0.16	~too clayey	0.89
	(slightly limited)		(very limited)		(moderately limited)		(slightly limited)		(limited)	
					~slope	0.16			~too acid	0.54
					(slightly limited)				(moderately limited)	

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
41E: Noark-----	Very limited ~slope (very limited) ~percs slowly (slightly limited)	1.00 0.25	Very limited ~slope (very limited) ~seepage (moderately limited)	1.00 0.50	Very limited ~slope (very limited) ~too clayey (limited) ~too acid (moderately limited)	1.00 1.00 0.54	Very limited ~slope (very limited)	1.00	Very limited ~small stones >35% (very limited) ~slope (very limited) ~too clayey (limited)	1.00 1.00 0.99
44G: Hailey-----	Very limited ~slope (very limited) ~poor filter (very limited) ~large stones (slightly limited)	1.00 1.00 0.01	Very limited ~slope (very limited) ~seepage (very limited)	1.00 1.00	Very limited ~slope (very limited) ~seepage (very limited) ~too acid (slightly limited)	1.00 1.00 0.12	Very limited ~slope (very limited) ~seepage (very limited)	1.00 1.00	Very limited ~seepage (very limited) ~slope (very limited) ~small stones >35% (very limited)	1.00 1.00 1.00
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
Moko-----	Not Rated Not Rated ~depth to bedrock (very limited) ~slope (very limited)	 1.00 1.00	Very limited ~slope (very limited) ~depth to bedrock (very limited) ~large stones (slightly limited)	1.00 1.00 0.17	Not Rated Not Rated Not Rated Not Rated	 	Very limited ~depth to bedrock (very limited) ~slope (very limited)	1.00 1.00	Not Rated Not Rated Not Rated Not Rated	
45F: Clarksville----	Very limited ~slope (very limited) ~percs slowly (slightly limited)	1.00 0.25	Very limited ~slope (very limited) ~seepage (very limited)	1.00 1.00	Very limited ~slope (very limited) ~too clayey (limited) ~too acid (moderately limited)	1.00 0.95 0.54	Very limited ~slope (very limited) ~seepage (limited)	1.00 0.75	Very limited ~small stones >35% (very limited) ~slope (very limited) ~too clayey (limited)	1.00 1.00 0.89

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
46G:										
Clarksville----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~percs slowly (slightly limited)	0.25	~seepage (very limited)	1.00	~too clayey (limited)	0.95	~seepage (limited)	0.75	~small stones >35% (very limited)	1.00
					~too acid (moderately limited)	0.54			~too clayey (limited)	0.89
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
Moko-----	Not Rated		Very limited		Very limited		Very limited		Not Rated	
	Not Rated		~slope (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~slope (very limited)	1.00	~large stones (limited)	0.98	~too clayey (slightly limited)	0.04			~slope (very limited)	1.00
50C:										
Nixa-----	Not Rated		Very limited		Very limited		Limited		Very limited	
	Not Rated		~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (limited)	0.90	~small stones >35% (very limited)	1.00
	~wetness (very limited)	1.00	~slope (limited)	0.91	~too clayey (limited)	0.70			~wetness (moderately limited)	0.55
			~seepage (moderately limited)	0.50	~too acid (slightly limited)	0.30			~too clayey (moderately limited)	0.45
51B:										
Tonti-----	Very limited		Very limited		Limited		Limited		Limited	
	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~too clayey (limited)	1.00	~wetness (limited)	0.80	~too clayey (limited)	0.99
	~percs slowly (slightly limited)	0.25	~seepage (moderately limited)	0.50	~wetness (limited)	0.99			~wetness (moderately limited)	0.50
			~slope (moderately limited)	0.31	~too acid (moderately limited)	0.42			~too acid (moderately limited)	0.42

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Scholten-----	Not Rated Not Rated		Very limited ~wetness (very limited)	1.00	Very limited ~too clayey (very limited)	1.00	Limited ~wetness (limited)	0.80	Very limited ~small stones >35% (very limited)	1.00
	~wetness (very limited)	1.00	~slope (limited)	0.66	~wetness (limited)	0.99			~too clayey (very limited)	1.00
			~seepage (moderately limited)	0.50					~hard to pack (limited)	0.70
54: Dunning-----	Very limited ~wetness (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~hard to pack (limited)	0.70
	~percs slowly (limited)	0.93			~too clayey (limited)	0.75			~too clayey (moderately limited)	0.53
55: Elk-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Not limited	
	~percs slowly (slightly limited)	0.25	~seepage (moderately limited)	0.50	~too clayey (slightly limited)	0.04				
Huntington----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Not limited	
	~percs slowly (slightly limited)	0.25	~seepage (moderately limited)	0.50						
61B: Hoberg-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Limited ~wetness (limited)	0.99	Limited ~wetness (limited)	0.80	Moderately limited ~too clayey (moderately limited)	0.60
	~percs slowly (slightly limited)	0.25	~seepage (moderately limited)	0.50	~too clayey (limited)	0.80			~wetness (moderately limited)	0.50
			~slope (moderately limited)	0.31						

Barry County, Missouri: Detailed Soil Map Legend

Sanitary Facilities

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
76: Racoon-----	Very limited ~ponded (wetness) (very limited) ~wetness (very limited) ~flooding (very limited)	1.00 1.00 1.00 1.00	Very limited ~flooding (very limited) ~wetness (very limited) ~ponded (wetness) (very limited)	1.00 1.00 1.00 1.00	Very limited ~ponded (wetness) (very limited) ~wetness (very limited) ~flooding (very limited)	1.00 1.00 1.00 1.00	Very limited ~flooding (very limited) ~wetness (very limited) ~ponded (wetness) (very limited)	1.00 1.00 1.00 1.00	Very limited ~ponded (wetness) (very limited) ~wetness (very limited) ~too acid (slightly limited)	1.00 1.00 1.00 0.30
81B: Tonti-----	Not Rated Not Rated ~wetness (very limited)	1.00	Very limited ~wetness (very limited) ~seepage (moderately limited)	1.00 0.50	Limited ~wetness (limited) ~too acid (moderately limited) ~too clayey (slightly limited)	0.99 0.42 0.04	Limited ~wetness (limited)	0.80	Moderately limited ~wetness (moderately limited) ~too acid (moderately limited)	0.50 0.42
82B: Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
Udorthents----	Not Rated Not Rated		Not Rated		Not Rated Not Rated		Not Rated		Not Rated Not Rated	
83F: Moko-----	Not Rated Not Rated ~depth to bedrock (very limited) ~slope (very limited) ~slope (very limited)	1.00 1.00 1.00	Very limited ~depth to bedrock (very limited) ~slope (very limited) ~large stones (slightly limited)	1.00 1.00 0.17	Not Rated Not Rated Not Rated Not Rated		Very limited ~depth to bedrock (very limited) ~slope (very limited)	1.00 1.00	Not Rated Not Rated Not Rated Not Rated	

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
83F: (cont)										
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
83G:										
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
Moko-----	Not Rated		Very limited		Not Rated		Very limited		Not Rated	
	Not Rated		~slope (very limited)	1.00	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~slope (very limited)	1.00	~large stones (slightly limited)	0.07	~depth to bedrock (very limited)	1.00			~slope (very limited)	1.00
84D:										
Bardley-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~percs slowly (slightly limited)	0.25	~slope (very limited)	1.00	~too clayey (very limited)	1.00	~slope (slightly limited)	0.16	~too clayey (very limited)	1.00
	~slope (slightly limited)	0.16	~seepage (moderately limited)	0.50	~slope (slightly limited)	0.16			~hard to pack (limited)	0.70
Moko-----	Not Rated		Very limited		Not Rated		Very limited		Not Rated	
	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	Not Rated		~slope (slightly limited)	0.16	Not Rated	
	~large stones (limited)	0.87	~large stones (slightly limited)	0.17	Not Rated				Not Rated	
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
85D:										
Moko-----	Not Rated		Very limited		Not Rated		Very limited		Not Rated	
	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	Not Rated		~slope (slightly limited)	0.16	Not Rated	
	~large stones (limited)	0.87	~large stones (slightly limited)	0.17	Not Rated				Not Rated	
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
Blueye-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~percs slowly (limited)	0.93	~slope (very limited)	1.00	~too clayey (very limited)	1.00	~slope (slightly limited)	0.16	~too clayey (very limited)	1.00
	~slope (slightly limited)	0.16			~slope (slightly limited)	0.16			~hard to pack (limited)	0.70
85F:										
Moko-----	Not Rated		Very limited		Very limited		Very limited		Not Rated	
	Not Rated		~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~slope (very limited)	1.00	~large stones (limited)	0.98	~too clayey (slightly limited)	0.04			~slope (very limited)	1.00
Blueye-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~too clayey (very limited)	1.00	~slope (very limited)	1.00	~too clayey (very limited)	1.00
	~percs slowly (limited)	0.93			~slope (very limited)	1.00			~slope (very limited)	1.00

Barry County, Missouri: Detailed Soil Map Legend

Sanitary Facilities

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
85F: (cont)										
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
86D:										
Mano-----	Limited		Very limited		Very limited		Slightly limited		Very limited	
	~percs slowly (limited)	0.93	~slope (very limited)	1.00	~too clayey (very limited)	1.00	~wetness (slightly limited)	0.22	~too clayey (very limited)	1.00
	~wetness (limited)	0.89	~wetness (very limited)	1.00	~wetness (moderately limited)	0.52	~slope (slightly limited)	0.16	~hard to pack (limited)	0.70
	~slope (slightly limited)	0.16	~seepage (moderately limited)	0.50	~slope (slightly limited)	0.16			~slope (slightly limited)	0.16
Gatewood-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~wetness (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~wetness (very limited)	1.00	~depth to bedrock (very limited)	1.00	~too clayey (very limited)	1.00	~wetness (limited)	0.69	~too clayey (very limited)	1.00
	~percs slowly (limited)	0.93	~slope (very limited)	1.00	~wetness (limited)	0.89	~slope (slightly limited)	0.16	~hard to pack (limited)	0.70
86F:										
Mano-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
	~percs slowly (limited)	0.93	~wetness (very limited)	1.00	~too clayey (very limited)	1.00	~wetness (slightly limited)	0.22	~too clayey (very limited)	1.00
	~wetness (limited)	0.89	~seepage (moderately limited)	0.50	~wetness (moderately limited)	0.52			~small stones (limited)	0.76
Ocie-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~slope (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
	~percs slowly (limited)	0.93	~wetness (limited)	0.71	~slope (very limited)	1.00	~depth to bedrock (slightly limited)	0.25	~too clayey (very limited)	1.00
	~wetness (moderately limited)	0.60	~depth to bedrock (moderately limited)	0.42	~too clayey (very limited)	1.00			~small stones (limited)	0.84

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Sanitary Facilities

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
87F:										
Moko-----	Not Rated		Very limited		Not Rated		Very limited		Not Rated	
	Not Rated		~slope (very limited)	1.00	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	Not Rated		~slope (very limited)	1.00	Not Rated	
	~slope (very limited)	1.00	~large stones (slightly limited)	0.15	Not Rated				Not Rated	
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
Snead-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~too clayey (limited)	0.80	~wetness (limited)	0.60	~hard to pack (limited)	0.70
88D:										
Blueye-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~percs slowly (limited)	0.93	~slope (very limited)	1.00	~too clayey (very limited)	1.00	~slope (slightly limited)	0.16	~too clayey (very limited)	1.00
	~slope (slightly limited)	0.16			~slope (slightly limited)	0.16			~hard to pack (limited)	0.70
Moko-----	Not Rated		Very limited		Very limited		Very limited		Not Rated	
	Not Rated		~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~slope (slightly limited)	0.16	~slope (slightly limited)	0.16	~depth to bedrock (very limited)	1.00
	~large stones (limited)	0.90	~large stones (limited)	0.97	~too clayey (slightly limited)	0.04			~large stones (limited)	0.84

Barry County, Missouri: Detailed Soil Map Legend

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
89D:										
Mano-----	Limited		Very limited		Very limited		Slightly limited		Very limited	
	~percs slowly (limited)	0.93	~slope (very limited)	1.00	~too clayey (very limited)	1.00	~wetness (slightly limited)	0.22	~too clayey (very limited)	1.00
	~wetness (limited)	0.89	~wetness (very limited)	1.00	~wetness (moderately limited)	0.52	~slope (slightly limited)	0.04	~hard to pack (limited)	0.70
	~slope (slightly limited)	0.04	~seepage (moderately limited)	0.50	~slope (slightly limited)	0.04			~wetness (slightly limited)	0.14
Ocie-----	Limited		Very limited		Very limited		Moderately limited		Very limited	
	~percs slowly (limited)	0.93	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~depth to bedrock (moderately limited)	0.48	~too clayey (very limited)	1.00
	~depth to bedrock (limited)	0.64	~wetness (limited)	0.71	~too clayey (very limited)	1.00	~slope (slightly limited)	0.04	~hard to pack (limited)	0.70
	~wetness (moderately limited)	0.60	~depth to bedrock (limited)	0.64	~wetness (slightly limited)	0.30			~depth to bedrock (moderately limited)	0.48
89F:										
Mano-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
	~percs slowly (limited)	0.93	~wetness (very limited)	1.00	~too clayey (very limited)	1.00	~wetness (slightly limited)	0.22	~too clayey (very limited)	1.00
	~wetness (limited)	0.89			~wetness (moderately limited)	0.52			~hard to pack (limited)	0.70
Ocie-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~slope (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
	~percs slowly (limited)	0.93	~depth to bedrock (limited)	0.90	~slope (very limited)	1.00	~depth to bedrock (limited)	0.81	~too clayey (very limited)	1.00
	~depth to bedrock (limited)	0.90	~wetness (limited)	0.71	~too clayey (very limited)	1.00			~depth to bedrock (limited)	0.81

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
91B: Viraton-----	Not Rated Not Rated ~wetness (very limited)	 1.00	Very limited ~wetness (very limited) ~slope (moderately limited)	 1.00 0.31	Limited ~wetness (limited) ~too clayey (limited) ~too acid (slightly limited)	 0.99 0.70 0.12	Limited ~wetness (limited)	0.80	Moderately limited ~wetness (moderately limited) ~too clayey (moderately limited) ~too acid (slightly limited)	 0.50 0.45 0.12
92A: Secesh-----	Moderately limited ~flooding (rare) (moderately limited) ~percs slowly (slightly limited)	0.60 0.25	Moderately limited ~seepage (moderately limited)	0.50	Moderately limited ~flooding (rare) (moderately limited) ~too acid (slightly limited) ~too clayey (slightly limited)	0.60 0.12 0.11	Moderately limited ~flooding (rare) (moderately limited)	0.60	Slightly limited ~too acid (slightly limited)	0.12
93B: Waben-----	Not limited		Very limited ~seepage (very limited) ~slope (moderately limited)	1.00 0.31	Limited ~seepage (limited) ~too clayey (slightly limited)	0.79 0.04	Limited ~seepage (limited)	0.75	Very limited ~small stones >35% (very limited) ~seepage (moderately limited)	1.00 0.50
Cedargap-----	Very limited ~flooding (very limited) ~percs slowly (slightly limited)	1.00 0.25	Very limited ~flooding (very limited) ~seepage (moderately limited)	1.00 0.50	Very limited ~flooding (very limited) ~too clayey (slightly limited)	1.00 0.11	Very limited ~flooding (very limited)	1.00	Very limited ~small stones >35% (very limited)	1.00
94B: Hercules-----	Very limited ~flooding (very limited) ~percs slowly (limited)	1.00 0.71	Very limited ~flooding (very limited) ~seepage (moderately limited) ~slope (slightly limited)	1.00 0.50 0.08	Very limited ~flooding (very limited) ~too clayey (limited)	1.00 0.80	Very limited ~flooding (very limited)	1.00	Very limited ~small stones >35% (very limited) ~too clayey (moderately limited)	1.00 0.60

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
96: Pits-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Dumps-----										
M-W: Water-----	Not rated		Not rated		Not rated		Not rated		Not rated	
W: Water-----	Not rated		Not rated		Not rated		Not rated		Not rated	